



US Army Corps
of Engineers®



Grand Haven Harbor, and Grand River, MI

Harbor Features

- Located on the east shore of Lake Michigan, 108 miles northeast of Chicago, IL and 23 miles north of Holland, MI. The Grand River originates in Jackson County, MI and flows 260 miles west into Lake Michigan.
- Authorization: River and Harbor Acts of 23 Jun 1866, and subsequent acts.
- Deep draft commercial harbor.
- Project depths – 23 feet in the entrance; 18 to 21 feet in the river channel and turning basin; 8 feet in the upper Grand River channel.
- 131st leading U.S. port with 1.5M tons of material shipped or received in 2005.
- Ranked 36th in 2005 among the Great Lakes Harbors.
- Over 9,000 feet of structures including piers and revetments.
- Over 2.5 miles of maintained deep draft channel and 14.5 miles of shallow draft river channel.
- Outer channel dredged material is used for beach nourishment. Inner channel material is placed upland in a site that enables reuse.
- Major stakeholders include U.S. Coast Guard, Lake Carriers' Association, Verplank Trucking, Meekoff Dock, Construction Aggregate Corporation, St. Marys Cement, and Grand Haven Power.



Project Needs

- Approximately 35,000 to 45,000 cubic yards of material must be dredged from the harbor entrance annually. Approximately 25,000 to 35,000 cubic yards of material must be dredged from the inner channel on a 2 to 4 year cycle.
- Navigation structures are primarily maintained by Government floating plant.
- The upland placement site requires periodic maintenance to enable continued recycling of dredged material.

Consequences of Not Maintaining the Project

- Significant loss of jobs both locally and regionally.
- Light loading; loss of between 1 and 2 feet of channel depth results in increased transportation costs of between \$174,000 and \$390,000 annually.

Transportation Importance

- Major regional receiving port on the Great Lakes.
- Commodities received include sand, gravel, cement, gypsum, and coal.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009
Grand Haven Harbor and Grand River, MI
Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	40	40	196	196	198	
CDF Site Work	0	0	125	125	130	
Maintenance Dredging – Primary Work Package	415	413	450	450	474	
Maintenance Dredging Inner Harbor					640	
Maintenance Dredging – Backlog Work Package					155	
Section 111: Mitigation of Shore Damage	0	0	30	0	30	
Environmental Stewardship	0	0	10	10	10	
Repair to Damaged Section of South Pier	0	0	0	0	265	
TOTALS	455	453	811	781	1,902	

* FY09 President's Budget will be available in February 2008